



*Training Course:  
CCTV Systems*

*20 - 24 May 2024  
Madrid (Spain)  
Pestana CR7 Gran Vía*

## Training Course: CCTV Systems

Training Course code: MI234693 From: 20 - 24 May 2024 Venue: Madrid (Spain) - Pestana CR7 Gran Vía Training Course Fees: 5775 € Euro

### Introduction

With recent technological advances ensuring that CCTV continues to play a major role worldwide in helping to combat criminal and terrorist activity, it is not surprising that our CCTV training courses continue to be extremely popular. Our combination of classroom theory and "hands-on" practical training courses will provide you with a comprehensive understanding of the very latest advancements in CCTV technology. Our training courses cover the entire CCTV system planning and design process as well as the specification, installation, set up and maintenance of key system components such as cameras, lenses, DVR, NVRs and cabling etc.

### Course Objectives

Please note that for most CCTV Operator jobs, you will be required to have a Door Supervisor/Manned Guarding license as well, as the role often includes security officer duties. The course covers:

- Working the Private Security Industry
- Working as a CCTV Operator
- Practical Operation of CCTV Equipment
- ICT in the Working Environment
- Community and Culture Awareness

### Course Outlines

#### Introduction to CCTV

- Introduction to CCTV installation
- CCTV Video signals H 264, Mpeg 2
- Cabling and connectors CAT5, CAT6 & Coax
- Crimping BNC, CAT5 & keystone connectors
- Video transmission analogue to digital, megapixel cameras
- Assembling a CCTV system Troubleshooting using CCTV tester

#### Electrical and CCTV Installation

- How to design a cable run?
- Introduction to Ohm's law
- How to choose the right type of cable?
- Installing CCTV cameras with RG59 & CAT5
- Installing CCTV power supplies
- Using electrical tools

### CCTV System Design

- Introduction to recording resolution, frames per second & lens sizes
- How to calculate field of view Selecting the correct types of lens size, recording resolution and configuring frames per second
- Digital CCTV storage and lighting DVR storage calculator, Illumination and camera sensitivity in CCTV
- PTZ camera installation Protocols, baud rate in PTZ
- Installing camera housing for bigger projects with power

### Practical Wiring

- Running cables for a CCTV system CAT5 & coaxial
- Installing passive and active balun for long CCTV cable run
- Running shotgun cable and use of cable pulling tips and techniques
- Installing junction boxes

### Networking in CCTV

- Remote access and mobile app viewing
- Local area networking and wider area networks
- Assigning a local area IP address to a DVR via DHCP
- Techniques used in assigning a unique and static local IP address to a DVR
- Private and public IP address
- TCP and IP setting

- Mobile phone view through P2P

## Registration form on the Training Course: CCTV Systems

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Company Information

Company Name: .....  
Address: .....  
City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
booking form with cheque  
to: Global Horizon  
3 Oudai street, Aldouki,  
Giza, Giza Governorate,  
Egypt.